

Monitor Mixing Overview

Aviom's Pro16 Monitor Mixing System is designed for creating custom monitor mixes for musicians performing live or working in the studio. The system consists of an A-Net input module and an unlimited number of Personal Mixers. Optional A-Net distributors can be used for star connections and signal splitting.

Using Aviom's proprietary technology, called A-Net™, the system transmits sixteen channels of uncompressed 24-bit audio with virtually no latency over a single, inexpensive Cat-5 cable. Cables connecting devices in the system can be up to 500 feet (150 meters) in length.

The A-16II and A-16R Personal Mixers feature a straightforward user interface which gives each performer control over channel volume, grouping, pan, stereo spread, and master volume. Each and every Personal Mixer in the system can create a unique monitor mix for a performer. Users can save and recall up to sixteen custom mixes stored as Presets in their Personal Mixer, which store all volume, pan, mute, and group settings. The stereo output from the Personal Mixer can be used to drive in-ear monitors (IEMs), headphones, or powered wedge monitors.

The Aviom digital system allows up to 64 channels of analogue audio signals to be transmitted down a single length of cat5 computer cable at one time with less than 1ms latency.